Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	10/14/2019 10:22 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/08/2019 01:46 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123629	-2	1.95	123722	1.96
Blue	F	SSC	125000	124189	-1	1.60	124963	1.55
Blue	E	FITC	16433	15956	-3	2.69	348	19.25
Blue	D	PE	27595	27201	-2	1.93	592	14.37
Blue	B	PerCP-Cy5-5	43183	42478	-2	3.48	1143	19.78
Blue	A	PE-Cy7	31943	31842	-1	5.96	605	39.38
Red	C	APC	42819	42067	-2	2.44	1482	11.87
Red	A	APC-Cy7	31261	30401	-3	2.34	811	11.83
Violet	B	V450	6527	6296	-4	4.70	355	13.48
Violet	A	V500	24533	23474	-5	4.43	545	10.69

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17848	10.16	608	8	N/A	N/A	Pass
Blue	F	SSC	56565	1.17	550	2	N/A	N/A	Pass
Blue	E	FITC	64	62.06	537	-2	0.0224	154	Pass
Blue	D	PE	125	48.23	534	0	0.1745	277	Pass
Blue	B	PerCP-Cy5-5	211	46.60	643	1	0.0094	0	Pass
Blue	A	PE-Cy7	116	94.35	692	3	0.0117	10	Pass
Red	C	APC	353	25.13	580	-3	0.0262	200	Pass
Red	A	APC-Cy7	179	28.66	559	-4	0.0057	1113	Pass
Violet	B	V450	55	59.30	449	-6	0.0486	2016	Pass
Violet	A	V500	81	32.95	460	-7	0.0222	582	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.25	-31.85	1.01
Blue	20.36	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.90	13.60 - 20.40	N/A	N/A	29.43	29.86	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.93

Threshold

Threshold (FSC): 9714

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments